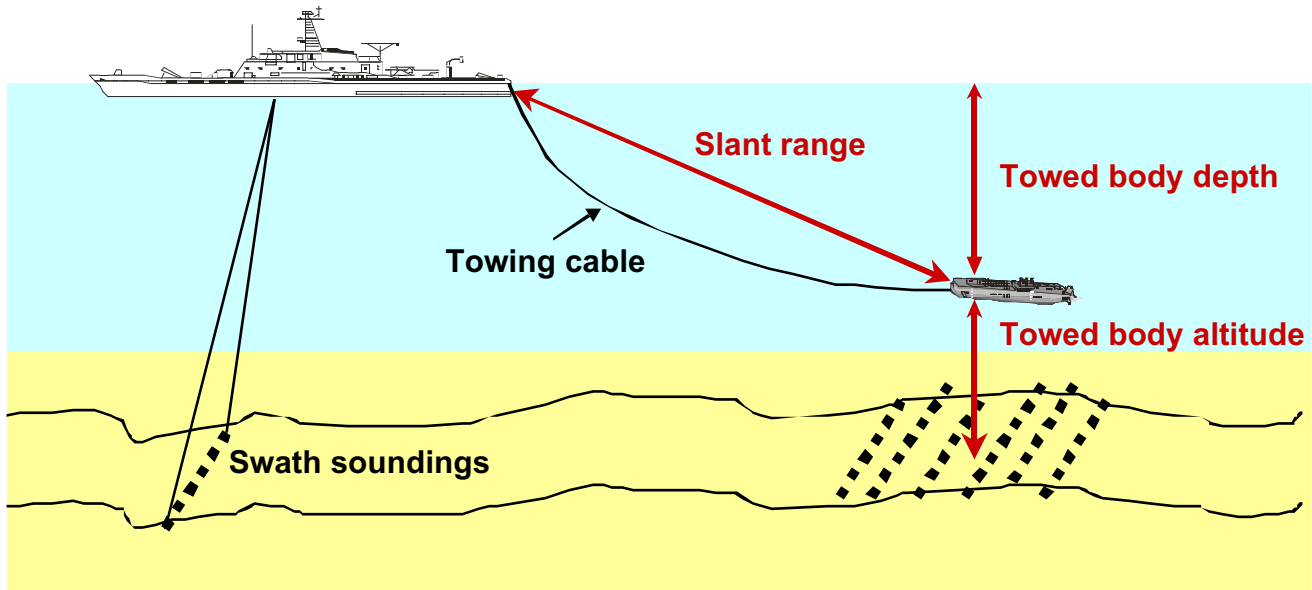


# LOCALIZATION OF A SUBMERGED TOWED BODY (LOST)



The Naval Research Laboratory has developed new methods for determining and tracking the position of a towed body. The LOST system determines the position of a towed body using existing or simultaneously collected high-resolution bathymetry data for the operation area.

## Advantages include:

- ❖ Highly accurate positioning of a towed vessel (equivalent to the resolution of the bathymetry data used)
- ❖ Superior ability to estimate effects of local currents on towed body position
- ❖ Economical—
  - Second ultra-short baseline (USBL) equipped vessel over the tow *NOT REQUIRED* for deep ocean surveys.
  - Deployment of long baseline (LBL) positioning systems *NOT REQUIRED*.
  - Costly acoustic transponder systems *NOT REQUIRED*.

## Applications include:

- ❖ Oil and gas exploration
- ❖ Cable and pipeline surveys and placement
- ❖ Salvage operations

*Patent licenses are available to companies with commercial interest.*

## *Point of Contact*

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